



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Leadless High Speed Switching Diode

RLS-73

●Application

High speed switching

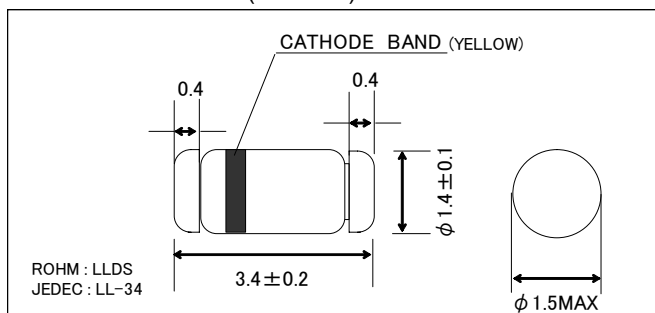
●Features

- 1) Ultra small. (LLDS)
- 2) For surface mounting
- 3) High speed ($t_{rr}=2\text{ns Typ.}$) & high reliability.

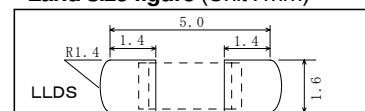
●Construction

Silicon epitaxial planar

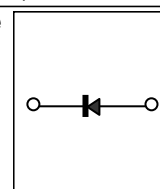
●External dimensions (Unit : mm)



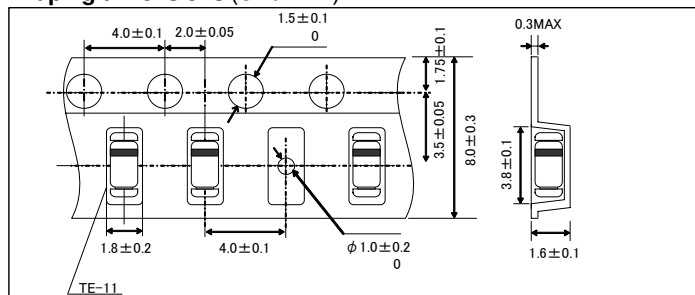
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

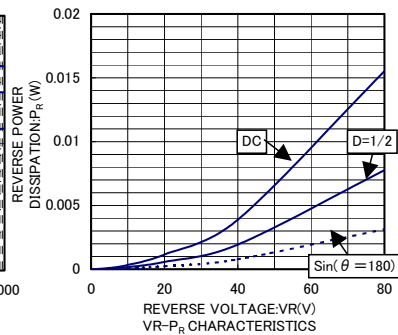
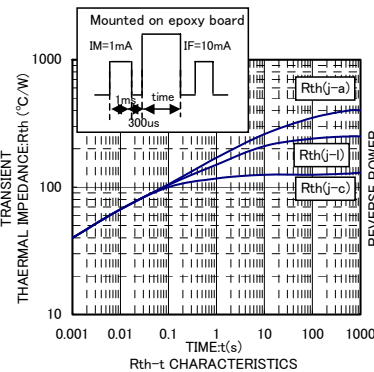
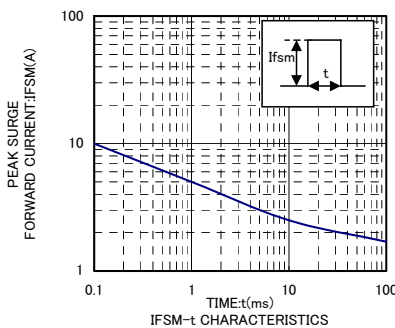
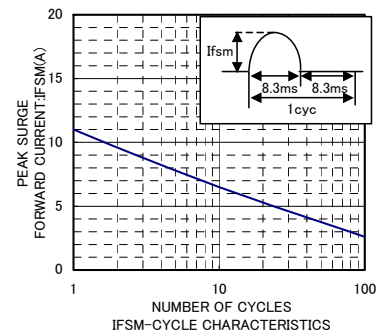
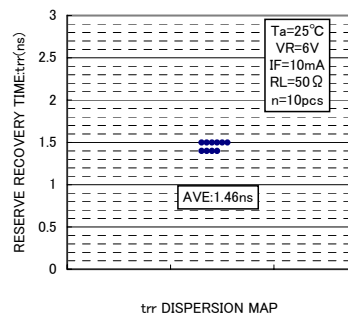
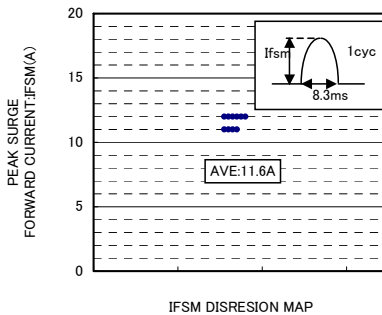
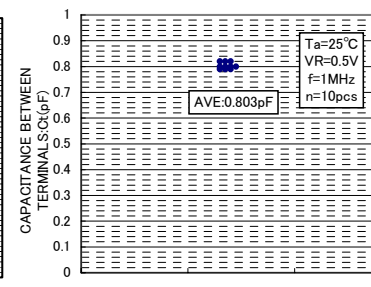
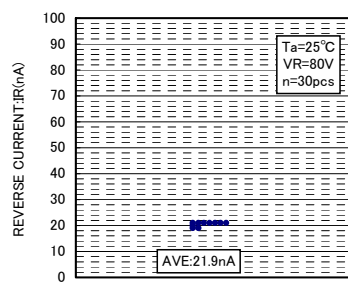
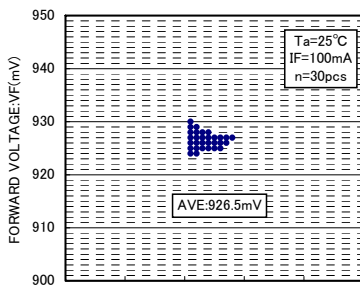
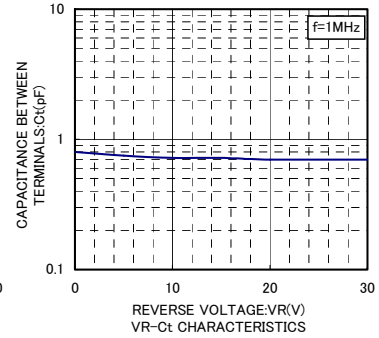
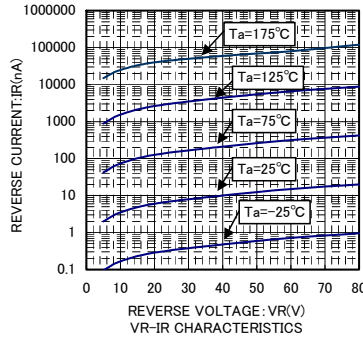
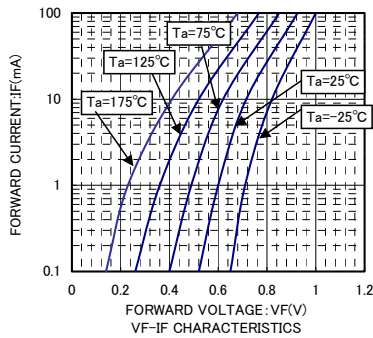
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	90	V
Reverse voltage (DC)	V_R	80	V
Peak reverse current	I_{FM}	400	mA
Average rectified forward current	I_o	130	mA
Surge current (1s)	I_{surge}	600	mA
Power dissipation	P	300	mW
Junction temperature	T_j	175	°C
Storage temperature	T_{stg}	-65 to +175	°C

●Electrical characteristics (Ta=25°C)

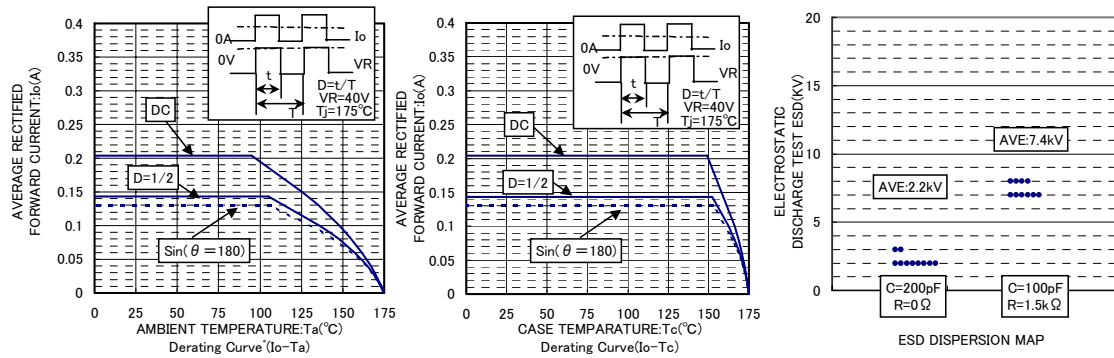
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.2	V	$I_F=100\text{mA}$
Reverse current	I_R	-	-	0.5	μA	$V_R=80\text{V}$
Capacitance between terminals	C_t	-	-	2.0	pF	$V_R=0.5\text{V}$, $f=1\text{MHz}$
Reverse recovery time	T_{rr}	-	-	4.0	ns	$V_R=6.0\text{V}$, $I_F=10\text{mA}$, $R_L=50\Omega$

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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